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SUMMARY OF VITAL STATISTICS

DEPARTMENT OF HEALTH, CITY OF NEW YORK

BUREAU OF RECORDS—STATISTICAL DIVISION

Population, Births, Marriages, Deaths and Infant Mortality, 1898-1939

Year	Estimated Population July 1st Each Year	Births* Total Reported	Births* Rate per 1,000	Marriages Total Reported	Marriages Rate per 1,000	Deaths Total Reported	Deaths Rate per 1,000	Fetal Deaths Total Reported	Fetal Deaths Ratio to 1,000 Live Births	Infant Mortality Deaths Under One Year	Infant Mortality Rate per 1,000 Births
1898....	3,272,418	119,000	36.4	28,885	8.8	66,294	20.3	5,638	47.4	16,770	140.9
1899....	3,356,722	116,000	34.6	30,474	9.1	65,343	19.5	5,463	47.1	15,381	132.6
1900....	3,446,042	123,000	35.7	32,247	9.4	70,872	20.6	5,815	47.3	16,640	135.3
1901....	3,554,079	122,000	34.3	33,447	9.4	70,720	19.9	5,750	47.1	15,467	126.8
1902....	3,665,825	127,000	34.6	36,207	9.9	68,085	18.6	6,011	47.3	15,526	122.3
1903....	3,781,423	129,000	34.1	38,174	10.1	67,864	17.9	6,078	47.1	14,413	111.7
1904....	3,901,023	133,000	34.1	39,436	10.1	78,060	20.0	6,288	47.3	16,125	121.2
1905....	4,025,742	135,000	33.5	42,675	10.6	73,714	18.3	6,352	47.1	16,522	122.4
1906....	4,166,566	141,000	33.8	48,355	11.6	76,203	18.3	6,646	47.1	17,188	121.9
1907....	4,314,237	149,000	34.5	51,097	11.8	79,205	18.4	7,351	49.3	17,437	117.0
1908....	4,469,248	146,000	32.7	37,449	8.4	73,072	16.3	7,191	49.3	16,231	111.2
1909....	4,632,078	142,000	30.7	41,513	9.0	74,105	16.0	6,697	47.2	15,976	112.5
1910....	4,785,190	143,000	29.9	46,417	9.7	76,742	16.0	6,751	47.2	16,215	113.4
1911....	4,873,069	141,000	28.9	48,765	10.0	75,423	15.5	6,673	47.3	15,053	106.8
1912....	4,960,948	140,000	28.2	51,703	10.4	73,008	14.7	6,619	47.3	14,289	102.1
1913....	5,048,827	140,000	27.7	51,268	10.2	73,902	14.6	6,629	47.4	13,780	98.4
1914....	5,136,706	140,647	27.4	53,051	10.3	74,803	14.6	6,617	47.0	13,312	94.6
1915....	5,224,585	141,256	27.0	50,997	9.8	76,193	14.6	6,413	45.4	13,866	98.2
1916....	5,312,464	137,664	25.9	54,782	10.3	77,801	14.6	6,253	45.4	12,818	93.1
1917....	5,400,343	141,564	26.2	59,210	11.0	78,575	14.6	6,117	43.2	12,568	88.8
1918....	5,488,222	138,046	25.2	56,733	10.3	98,119	17.9	6,793	49.2	12,657	91.7
1919....	5,576,101	130,377	23.4	60,256	10.8	74,433	13.3	5,984	45.9	10,639	81.6
1920....	5,683,765	132,856	23.4	64,422	11.3	73,249	12.9	6,234	46.9	11,340	85.4
1921....	5,811,549	134,241	23.1	60,846	10.5	64,257	11.1	6,297	46.9	9,548	71.1
1922....	5,939,333	129,684	21.8	58,192	9.8	69,690	11.7	6,125	47.2	9,666	74.5
1923....	6,067,117	129,160	21.3	66,430	10.9	69,452	11.4	6,023	46.6	8,578	66.4
1924....	6,195,251	130,436	21.1	62,254	10.0	71,252	11.5	6,448	49.4	8,820	67.6
1925....	6,323,035	128,790	20.4	64,826	10.3	71,864	11.4	6,134	47.6	8,315	64.6
1926....	6,450,819	125,515	19.5	68,417	10.6	76,082	11.8	6,054	48.2	8,509	67.8
1927....	6,578,603	128,889	19.6	66,431	10.1	70,430	10.7	5,895	45.7	7,210	55.9
1928....	6,706,737	126,332	18.8	62,424	9.3	78,091	11.6	6,121	48.5	8,280	65.5
1929....	6,834,521	124,404	18.2	65,780	9.6	77,482	11.3	5,726	46.0	7,281	58.5
1930....	6,954,712	122,811	17.7	63,337	9.1	74,888	10.8	5,700	46.4	7,030	57.2
1931....	7,033,193	115,621	16.4	61,574	8.8	77,418	11.0	5,579	48.3	6,427	55.6
1932....	7,099,304	109,878	15.5	58,957	8.3	74,319	10.5	5,396	49.1	5,594	50.9
1933....	7,160,434	103,500	14.5	60,116	8.4	75,153	10.5	5,347	51.7	5,508	53.2
1934....	7,226,164	101,239	14.0	67,347	9.3	75,857	10.5	5,070	50.1	5,287	52.2
1935....	7,294,894	100,657	13.8	68,372	9.4	75,057	10.3	4,902	48.7	4,790	47.6
1936....	7,363,624	98,507	13.4	72,234	9.8	77,638	10.5	4,992	50.7	4,490	45.6
1937....	7,434,346	101,988	13.7	69,417	9.3	77,465	10.4	4,847	47.5	4,457	43.7
1938....	7,491,790	102,045	13.6	63,493	8.5	73,775	9.8	4,995	48.9	3,910	38.3
1939....	7,575,339	102,261	13.5	62,288	8.2	75,439	10.0	6,831	66.8	3,793	37.1

* 1898–1913 birth figures are estimated, as the number actually reported was undoubtedly low.

Provisional reports from the Bureau of the Census indicate that New York City's mid-year 1940 population is about 7,392,000. When final figures are available this will necessitate recalculation of the death and birth rates for the past ten years.

Births, Deaths, Maternal Deaths and Fetal Deaths as Reported*—1939

	Estimated Population 1939	Births Reported	Births Per 1,000	Deaths Reported	Deaths Per 1,000	Maternal Deaths Reported	Maternal Deaths Per 10,000 Births†	Fetal Deaths Reported	Fetal Deaths Per 1,000 Live Births
Manhattan	1,662,195	33,212	20.0	26,569	16.0	115	32	2,392	72.0
The Bronx	1,527,685	14,656	9.6	11,923	7.8	43	27	1,151	78.5
Brooklyn	2,827,160	40,306	14.3	25,758	9.1	110	26	2,491	61.8
Queens	1,379,374	11,716	8.5	8,866	6.4	44	35	697	59.5
Richmond	178,925	2,371	13.3	2,323	13.0	8	32	100	42.2
City of New York	7,575,339	102,261	13.5	75,439	10.0	320	29	6,831	66.8

* Tabulation of births, deaths and still births, by borough of residence, on next page.

† Live births and fetal deaths.

Births, Fetal Deaths, and Deaths, by Borough of Residence—1939

	N. Y. City	Manhattan	The Bronx	Brooklyn	Queens	Richmond
Live Births	102,261	23,932	18,965	38,832	18,116	2,416
Rate per 1,000 Population	13.5	14.4	12.4	13.7	13.1	13.5
Fetal Deaths †	6,831	1,929	1,296	2,466	1,030	110
Rate per 1,000 Total Births	66.8	80.6	68.3	63.5	56.9	45.5
Deaths Under One Year	3,793	1,094	609	1,354	661	75
Rate per 1,000 Live Births	37.1	45.7	32.1	34.9	36.5	31.0
Deaths Under One Month	2,533	707	428	866	484	48
Rate per 1,000 Live Births	24.8	29.5	22.6	22.3	26.7	19.9
Deaths of Non-Residents	2,375	1,345	456	254	263	57
Total Deaths	75,439	23,773	12,346	25,933	11,498	1,889
Death Rate per 1,000 Population	10.0	14.3	8.1	9.2	8.3	10.6
1. Typhoid Fever	22	6	2	12	2	.....
2. Typhus Fever	.....	.....	.....	.....	.....	.....
4. Measles	1	.....	.....	.....	1	.....
5. Scarlet Fever	16	2	1	11	1	1
6. Whooping Cough	38	20	4	9	4	1
7. Diphtheria	22	5	2	5	6	4
8. Influenza	200	50	40	68	35	7
10. Pulmonary Tuberculosis	3,494	1,590	478	971	379	76
11. Other Tuberculosis	320	144	46	83	42	5
(a) Tuberculous Meningitis	127	52	17	37	17	4
12. Syphilis	937	511	67	236	103	20
13. Malaria	21	15	2	1	2	1
14. Other Infectious Diseases	206	78	34	63	28	3
(a) Poliomyelitis	18	4	3	5	5	1
(b) Epidemic Encephalitis	27	10	7	6	4	.....
(c) Epidemic Meningitis	36	10	10	12	3	1
15. Cancer	11,597	3,529	2,228	3,803	1,774	263
16. Non-Malignant Tumors	501	175	92	153	74	7
17. Chronic Rheumatism, Gout	57	30	11	11	4	1
18. Diabetes	2,938	758	540	1,177	405	58
19. Alcoholism	343	200	21	80	35	7
20. Other Gen. Dis. & Chronic Poisons	1,087	300	205	392	168	22
21. Locomotor Ataxia and General Paresis of the Insane	184	82	13	67	20	2
22. Cerebral Hemorrhage, etc	3,837	1,035	646	1,401	653	102
23. Other Diseases of Nervous System and Organs of Sense	788	258	125	280	108	17
24. Diseases of the Heart	25,320	7,242	4 263	9,186	3,970	659
25. Other Diseases of Circulatory System	1,352	452	158	539	163	40
(a) Arterio Sclerosis	1,018	322	106	445	111	34
26. Bronchitis	153	51	26	52	19	5
27. The Pneumonias	4,234	1,365	690	1,482	589	108
(a) Broncho Pneumonia	1,937	545	332	722	283	55
(b) Lobar Pneumonia	2,266	811	356	746	302	51
28. Other Respiratory Diseases	370	109	67	125	59	10
29. Diarrhea and Enteritis	415	120	65	177	50	3
(a) Diarrhea Under 2 Years	333	94	45	152	40	2
30. Appendicitis	800	201	132	268	176	23
31. Diseases of Liver and Biliary Passages	1,474	492	211	462	263	46
32. Other Digestive Diseases	1,667	512	270	574	257	54
33. Nephritis, All Forms	3,353	943	458	1,230	605	117
34. Other Dis. of Genito-urinary System	1,081	344	174	363	165	35
35. Puerperal Septicemia*	122	39	13	44	25	1
36. Other Puerperal Diseases	198	50	42	64	35	7
37. Diseases of Skin and Bones	164	47	43	47	22	5
38. Diseases of Early Infancy	2,582	734	425	881	490	52
39. Old Age	18	2	11	2	2	1
40. Suicide	1,190	496	172	313	182	27
41. Homicide	303	176	23	79	21	4
42. Other Violence	4,003	1,605	546	1,213	544	95
(a) Sunstroke	5	2	.....	2	1	.....
(b) Auto Accidents	880	324	134	264	139	19
(c) Other Accidents	3,118	1,279	412	947	404	76
43. Unknown and Ill Defined	31	5	.....	9	17	.....

* Includes Causes 140 and 145 of Detailed International List.
† Still births and reported abortions.

Population By Age, Sex, Nativity, and Color

Federal Census, April 1, 1930

Age (In Years)	Total				By Color and Nativity				DEATHS, 1939 By Age and Color			
	Persons	Per Cent of Total	Males	Females	Native White	Foreign-Born White	Negro	Other Races	Total	White	Negro	Other Colored
All Ages	6,930,446	100.00	3,472,956	3,457,490	4,293,825	2,293,400	327,706	15,515	75,439	69,572	5,632	235
Under 5	535,600	7.73	272,438	263,162	502,296	5,550	26,920	834	4,584	4,028	552	4
5–9	577,284	8.34	291,782	285,502	530,430	21,831	24,365	658	466	403	62	1
10–14	575,300	8.31	290,263	285,037	531,011	25,251	18,662	376	488	425	59	4
15–19	599,286	8.65	293,740	305,546	510,331	67,303	21,120	532	787	614	170	3
20–24	687,417	9.93	327,734	359,683	485,038	162,260	38,658	1,461	1,161	893	263	5
25–29	695,984	10.05	341,448	354,536	393,467	251,242	48,661	2,614	1,583	1,198	377	8
30–34	649,576	9.38	327,685	321,891	329,570	276,817	40,533	2,656	2,007	1,582	418	7
35–39	621,248	8.97	319,859	301,389	272,916	309,213	36,924	2,195	2,744	2,214	512	18
40–44	518,588	7.49	272,868	245,720	199,373	291,971	25,515	1,729	3,695	3,134	534	27
45–49	422,063	6.10	219,600	202,463	151,837	250,151	19,057	1,018	5,229	4,674	518	37
50–54	340,807	4.92	175,346	165,461	126,092	202,123	11,922	670	6,804	6,251	526	27
55–59	246,277	3.56	123,128	123,149	93,256	146,295	6,365	361	7,665	7,220	414	31
60–64	190,527	2.75	92,494	98,033	69,444	117,119	3,767	197	8,419	8,028	365	26
65–69	127,356	1.84	60,451	66,905	45,147	79,781	2,331	97	8,900	8,572	312	16
70–74	77,327	1.12	35,866	41,461	28,853	47,201	1,236	37	8,273	8,027	238	8
75–79	36,629	.53	16,239	20,390	13,326	22,612	680	11	6,292	6,129	153	10
80–84	15,746	.23	6,286	9,460	5,262	10,176	304	4	3,938	3,846	91	1
85–89	5,589	.08	2,087	3,502	1,829	3,625	133	2	1,688	1,647	40	1
90–94	1,475	.02	498	977	425	1,007	43	....	567	546	21	...
95–99	311	(a)	104	207	69	226	14	2	122	117	4	1
100 and over	69	(a)	29	40	7	52	10	....	27	24	3	...
Unknown	5,986	....	3,011	2,975	3,846	1,594	485	61	.....	.....	.....	...

(a) Less than .005%. Percentages based on 6,924,460 of known ages.

Cases of Reportable Infectious Diseases—City of New York

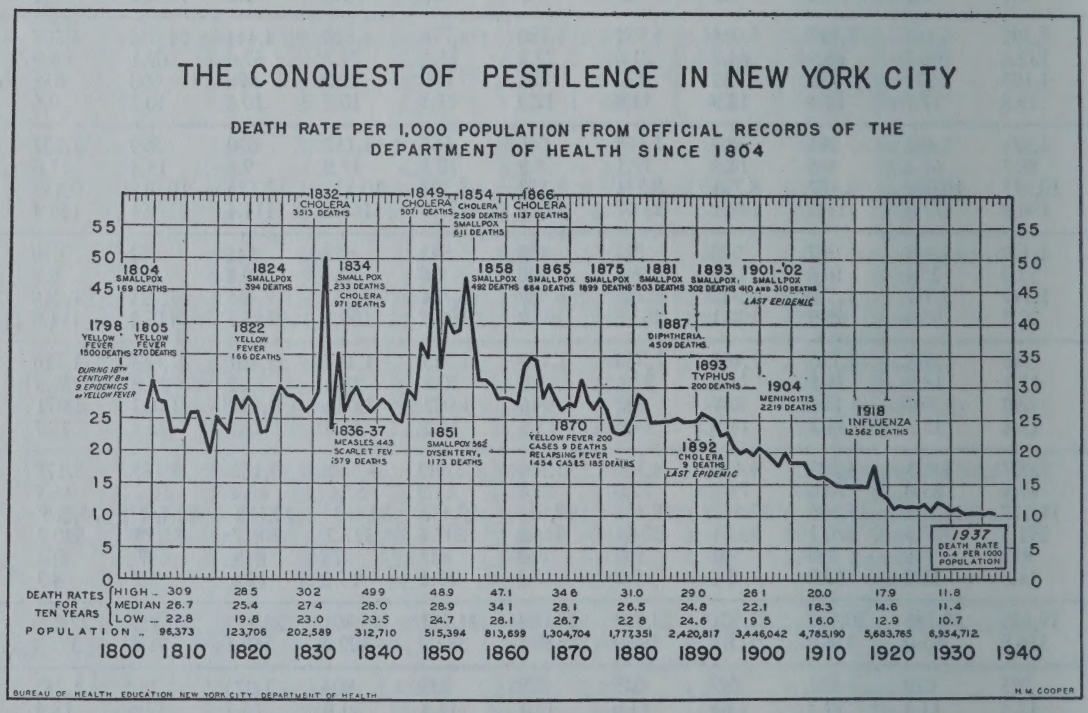
Year	Pulmonary Tuberculosis	Diphtheria	Measles	Scarlet Fever	Chickenpox	Typhoid Fever	Whooping Cough	Epidemic Meningitis	Poliomyelitis	Syphilis	Gonorrhea	Influenza	Pneumonia	Epidemic Encephalitis
1900	11,997	12,913	19,298	6,683	1,226	2,658	174	7						
1901	13,703	12,329	11,990	16,692	2,437	2,748	113	13						
1902	12,914	15,319	20,251	11,894	3,269	3,871	313	10						
1903	15,214	18,317	13,689	10,887	4,181	3,671	1,066	20						
1904	18,723	18,158	32,861	13,495	4,263	3,412	1,016	482						
1905	20,831	13,686	19,026	8,071	5,473	4,326	2,637	2,755						
1906	20,085	14,757	38,653	7,881	4,467	3,467	2,177	1,032						
1907	19,725	15,276	16,637	15,788	4,308	4,426	1,920	828						
1908	23,325	16,431	38,276	24,426	5,928	3,058	1,182	380						
1909	25,667	15,097	31,950	12,475	6,765	3,499	2,752	346						
1910	32,065	16,940	35,374	18,924	5,534	3,582	2,018	242						
1911	24,513	13,485	25,540	15,794	6,758	3,450	3,210	266	358					
1912	22,752	13,533	39,018	12,716	7,649	3,076	2,132	250	504					
1913	22,674	14,845	29,350	10,739	6,897	2,643	3,529	232	310	10,623	7,440			
1914	21,604	17,129	25,793	11,105	9,632	2,260	3,798	318	129	21,128	9,526			
1915	22,141	15,279	38,186	9,879	8,721	2,455	6,771	174	95	17,335	9,709			
1916	19,297	13,521	21,603	5,814	9,617	1,617	7,460	263	9,023	20,128	6,341			
1917	17,494	12,624	27,519	6,260	7,864	1,442	5,597	322	139	19,833	8,312			
1918	14,439	11,454	28,675	4,460	4,196	1,238	5,558	477	134	17,320	6,538			
1919	14,570	14,014	8,194	4,594	5,326	854	1,658	317	42	19,241	5,677	25,218	10,325	118
1920	14,035	14,166	35,083	6,537	5,534	969	7,530	244	154	19,440	4,535	69,824	25,983	573
1921	12,966	15,110	7,738	13,516	8,041	899	5,808	279	588	14,096	5,287	2,486	14,143	528
1922	13,329	10,427	40,569	10,269	5,738	790	4,799	218	224	13,199	5,599	21,042	19,121	611
1923	11,336	8,050	13,999	8,237	8,671	890	4,484	133	577	16,879	6,817	16,061	15,952	923
1924	11,924	9,687	33,561	8,399	8,260	1,687	8,244	156	344	16,402	6,137	1,753	18,594	465
1925	10,955	9,051	9,483	8,840	7,546	1,417	4,826	120	307	15,630	5,466	1,745	15,651	327
1926	10,498	7,531	39,750	7,968	6,757	913	3,487	170	111	17,700	4,728	5,911	24,061	297
1927	10,873	13,507	2,101	18,339	9,444	762	6,052	177	537	24,324	7,006	2,048	18,273	232
1928	11,614	10,776	35,008	10,586	7,082	671	5,876	1,102	572	25,034	7,431	2,878	21,079	193
1929	11,938	8,548	2,537	7,952	9,264	586	2,944	1,000	71	28,772	8,840	11,121	21,132	173
1930	11,821	3,794	23,635	7,592	7,901	497	4,538	503	78	32,219	9,737	1,010	17,081	100
1931	11,794	3,999	26,519	11,900	9,113	603	8,643	392	4,138	34,894	9,745	4,498	21,116	97
1932	10,589	3,581	10,354	21,093	8,862	560	7,126	207	143	42,315	11,640	3,418	17,835	57
1933	9,991	1,891	36,216	8,262	11,966	557	6,009	114	831	42,242	11,164	2,617	16,972	86
1934	9,990	1,593	5,015	8,820	12,177	332	8,764	102	73	46,276	10,953	899	14,489	51
1935	8,796	1,189	28,490	14,602	10,866	314	8,703	529	2,054	47,659	11,069	622	13,185	69
1936	8,987	1 124	36,548	11,417	8,324	305	4,461	538	34	68,969	14,445	1,396	15,786	37
1937	9,128	1,184	12,091	10,058	12,723	268	4,653	228	243	88,101	17,872	4,181	16,393	55
1938	8,748	700	34,604	8,419	11,112	268	12,232	112	43	37,077*	12,935	447	12,969	38
1939	8,277	543	3,653	6,121	9,103	198	5,821	71	184	32,874	12,810	1,546	16,875	62

* Figures prior to 1938 were based on positive laboratory findings and included much duplication. Beginning with 1938 duplicates have, as far as possible, been omitted.

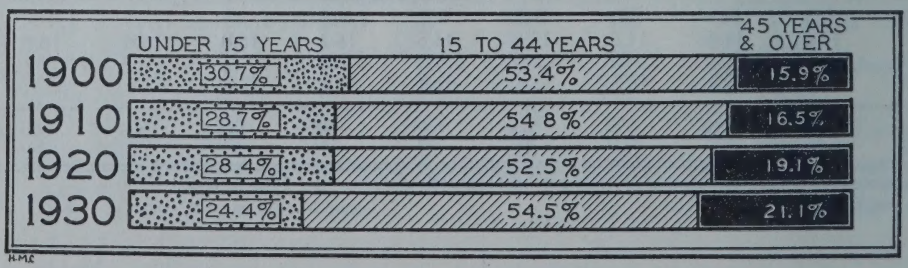
SPECIFIC DEATH RATES, NEW YORK CITY, 1900-1930, INCLUSIVE

Age	1901-'02-'03 Males	1901-'02-'03 Females	1909-'10-'11 Males	1909-'10-'11 Females	1919-'20* Males	1919-'20* Females	1929-'30-'31 Males	1929-'30-'31 Females
0–4	60.3	52.6	50.2	43.2	32.4	26.5	19.4	15.4
5–9	5.8	5.2	4.2	3.9	3.8	3.1	2.5	2.0
10–14	2.8	2.8	2.4	2.3	2.4	2.2	1.7	1.3
15–19	4.8	4.1	3.9	3.1	4.0	3.7	2.6	2.2
20–24	7.3	6.0	5.3	4.6	5.8	5.4	3.4	3.2
25–29	9.5	8.2	6.9	5.9	6.5	6.9	3.8	3.4
30–34	12.6	9.8	9.6	7.6	7.7	7.0	5.1	4.1
35–39	15.1	11.6	13.0	9.3	9.2	7.3	7.0	5.0
40–44	19.0	13.2	16.5	11.2	10.9	9.0	10.1	6.9
45–49	22.0	15.0	20.8	14.3	15.2	12.1	14.8	10.5
50–54	29.2	22.8	26.5	19.1	20.6	16.3	22.0	15.0
55–59	38.8	31.4	37.0	28.8	30.1	24.8	32.0	23.4
60–64	51.4	43.8	51.4	44.1	40.8	33.8	44.7	35.3
65–69	69.9	60.5	68.5	58.9	60.1	55.0	62.0	50.2
70–74	95.8	85.2	89.6	81.2	85.1	79.5	84.3	73.3
75–79	141.0	119.3	127.3	114.4	116.2	107.6	120.7	109.2
80–84	175.9	157.9	167.4	159.6	162.6	143.6	170.9	151.2
85 & Over	252.3	223.0	257.4	232.3	224.8	210.2	242.8	227.5

* As Census date is the midpoint of the period presented, only two years are used for 1919-'20 calculation, the Census having been made on Jan. 1, 1920.

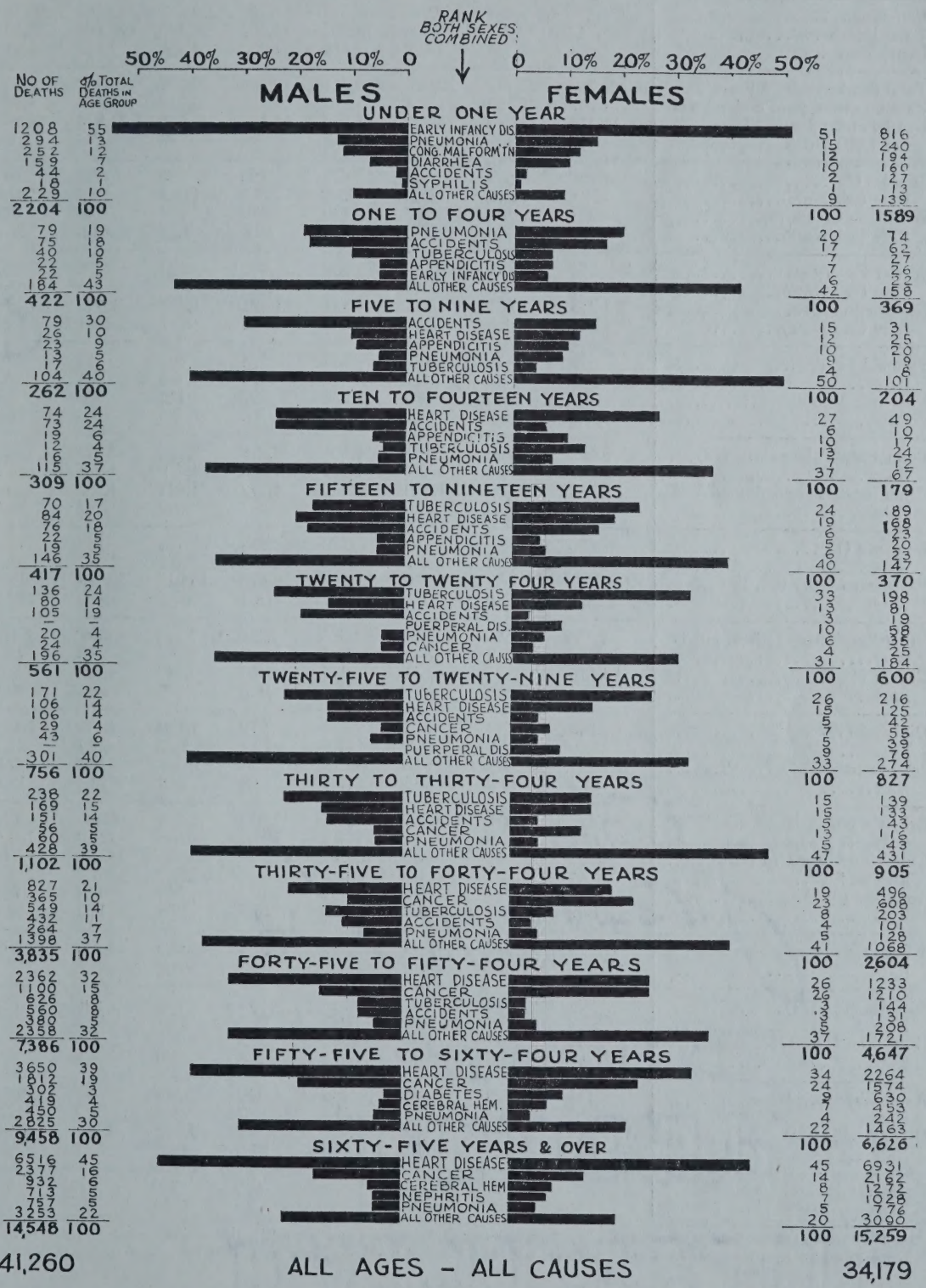

THE CONQUEST OF PESTILENCE IN NEW YORK CITY
DEATH RATE PER 1,000 POPULATION FROM OFFICIAL RECORDS OF THE DEPARTMENT OF HEALTH SINCE 1804
1832 CHOLERA 3513 DEATHS
1849 CHOLERA 5071 DEATHS
1854 CHOLERA 2509 DEATHS SMALLPOX 611 DEATHS
1866 CHOLERA 1137 DEATHS
1804 SMALLPOX 169 DEATHS
1824 SMALLPOX 394 DEATHS
1834 SMALL POX 233 DEATHS CHOLERA 971 DEATHS
1858 SMALLPOX 492 DEATHS
1865 SMALLPOX 684 DEATHS
1875 SMALLPOX 1699 DEATHS
1881 SMALLPOX 503 DEATHS
1893 SMALLPOX 302 DEATHS
1901-'02 SMALLPOX 410 AND 310 DEATHS LAST EPIDEMIC
1798 YELLOW FEVER 1500 DEATHS
1805 YELLOW FEVER 270 DEATHS
1822 YELLOW FEVER 166 DEATHS
DURING 18TH CENTURY 8 OR 9 EPIDEMICS OF YELLOW FEVER
1887 DIPHTHERIA 4509 DEATHS
1893 TYPHUS 200 DEATHS
1904 MENINGITIS 2219 DEATHS
1918 INFLUENZA 12,962 DEATHS
1836-37 MEASLES 443 SCARLET FEV 1579 DEATHS
1851 SMALLPOX 362 DYSENTERY, 1173 DEATHS
1870 YELLOW FEVER 200 CASES 9 DEATHS RELAPSING FEVER 1454 CASES 185 DEATHS
1892 CHOLERA 9 DEATHS LAST EPIDEMIC
1937 DEATH RATE 10.4 PER 1000 POPULATION
DEATH RATES FOR TEN YEARS HIGH 30.9 28.5 30.2 49.9 48.9 47.1 34.6 31.0 29.0 26.1 20.0 17.9 11.8
MEDIAN 26.7 25.4 27.4 28.0 28.9 34.1 28.1 26.5 24.8 22.1 18.3 14.6 11.4
LOW 22.8 19.8 23.0 23.5 24.7 28.1 26.7 22.8 24.6 19.5 16.0 12.9 10.7
POPULATION 96,373 123,706 202,589 312,710 515,394 813,699 1,304,704 1,777,351 2,420,817 3,446,042 4,765,190 5,683,765 6,954,712
1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940
BUREAU OF HEALTH EDUCATION NEW YORK CITY DEPARTMENT OF HEALTH
H.M. COOPER

Our Aging Population



CHIEF CAUSES OF DEATH IN CERTAIN AGE GROUPS

BARS INDICATE THE PER CENT EACH CAUSE OF DEATH IS OF TOTAL DEATHS IN THAT GROUP
BASED ON 75,439 DEATHS REPORTED IN NEW YORK CITY DURING 1939.


RANK BOTH SEXES COMBINED
50% 40% 30% 20% 10% 0
0 10% 20% 30% 40% 50%
No of Deaths
% Total Deaths in Age Group
MALES
FEMALES
UNDER ONE YEAR
1208 55 EARLY INFANCY DIS. 51 816
294 13 PNEUMONIA 15 240
252 12 CONG. MALFORM'TN 12 194
159 7 DIARRHEA 10 160
44 2 ACCIDENTS 2 27
18 1 SYPHILIS 1 13
229 10 ALL OTHER CAUSES 9 139
2204 100 100 1589
ONE TO FOUR YEARS
79 19 PNEUMONIA 20 74
75 18 ACCIDENTS 17 62
40 10 TUBERCULOSIS 7 27
22 5 APPENDICITIS 7 26
22 5 EARLY INFANCY DIS. 6 22
184 43 ALL OTHER CAUSES 42 158
422 100 100 369
FIVE TO NINE YEARS
79 30 ACCIDENTS 15 31
26 10 HEART DISEASE 12 25
23 9 APPENDICITIS 10 20
13 5 PNEUMONIA 9 19
17 6 TUBERCULOSIS 4 8
104 40 ALL OTHER CAUSES 50 101
262 100 100 204
TEN TO FOURTEEN YEARS
74 24 HEART DISEASE 27 49
73 24 ACCIDENTS 6 10
19 6 APPENDICITIS 10 17
12 4 TUBERCULOSIS 13 24
16 5 PNEUMONIA 7 12
115 37 ALL OTHER CAUSES 37 67
309 100 100 179
FIFTEEN TO NINETEEN YEARS
70 17 TUBERCULOSIS 24 89
84 20 HEART DISEASE 19 68
76 18 ACCIDENTS 6 23
22 5 APPENDICITIS 5 20
19 5 PNEUMONIA 6 23
146 35 ALL OTHER CAUSES 40 147
417 100 100 370
TWENTY TO TWENTY FOUR YEARS
136 24 TUBERCULOSIS 33 198
80 14 HEART DISEASE 13 81
105 19 ACCIDENTS 3 19
PUERPERAL DIS. 10 58
20 4 PNEUMONIA 6 35
24 4 CANCER 4 25
196 35 ALL OTHER CAUSES 31 184
561 100 100 600
TWENTY-FIVE TO TWENTY-NINE YEARS
171 22 TUBERCULOSIS 26 216
106 14 HEART DISEASE 15 125
106 14 ACCIDENTS 5 42
29 4 CANCER 7 55
43 6 PNEUMONIA 5 39
PUERPERAL DIS. 9 76
301 40 ALL OTHER CAUSES 33 274
756 100 100 827
THIRTY TO THIRTY-FOUR YEARS
238 22 TUBERCULOSIS 15 139
169 15 HEART DISEASE 15 133
151 14 ACCIDENTS 5 43
56 5 CANCER 13 116
60 5 PNEUMONIA 5 43
428 39 ALL OTHER CAUSES 47 431
1,102 100 100 905
THIRTY-FIVE TO FORTY-FOUR YEARS
827 21 HEART DISEASE 19 496
365 10 CANCER 23 608
549 14 TUBERCULOSIS 8 203
432 11 ACCIDENTS 4 101
264 7 PNEUMONIA 5 128
1398 37 ALL OTHER CAUSES 41 1068
3,835 100 100 2604
FORTY-FIVE TO FIFTY-FOUR YEARS
2362 32 HEART DISEASE 26 1233
1100 15 CANCER 26 1210
626 8 TUBERCULOSIS 3 144
560 8 ACCIDENTS 3 131
380 5 PNEUMONIA 5 208
2358 32 ALL OTHER CAUSES 37 1721
7,386 100 100 4,647
FIFTY-FIVE TO SIXTY-FOUR YEARS
3650 39 HEART DISEASE 34 2264
1812 19 CANCER 24 1574
302 3 DIABETES 9 630
419 4 CEREBRAL HEM. 7 453
450 5 PNEUMONIA 4 242
2825 30 ALL OTHER CAUSES 22 1463
9,458 100 100 6,626
SIXTY-FIVE YEARS & OVER
6516 45 HEART DISEASE 45 6931
2377 16 CANCER 14 2162
932 6 CEREBRAL HEM. 8 1272
713 5 NEPHRITIS 7 1028
757 5 PNEUMONIA 5 776
3253 22 ALL OTHER CAUSES 20 3090
14,548 100 100 15,259
41,260
ALL AGES - ALL CAUSES
34,179

Year	1910	1911	1912	1913	1914	1915	1916	1917	
Population	4,785,190	4,873,069	4,960,948	5,048,827	5,136,706	5,224,585	5,312,464	5,400,343	5,
Total Deaths	76,742	75,423	73,008	73,902	74,803	76,193	77,801	78,575	
Death Rate	1,604	1,548	1,472	1,464	1,456	1,458	1,464	1,455	
Total deaths under 5 years	24,268	22,242	20,978	20,711	19,530	20,291	19,967	18,256	
Rate on estim. pop. under 5 years	4,787	4,319	4,034	3,952	3,671	3,758	3,664	3,289	
Deaths under 1 year of age	16,215	15,053	14,289	13,780	13,312	13,866	12,818	12,568	
Per 1,000 births	113	107	102	98	95	98	93	89	
Measles (7)	785	659	671	628	560	630	490	560	
Rate (See Note)	154.8	128.0	129.0	119.8	105.3	116.7	89.9	100.9	
Whooping Cough (9)	294	384	287	420	279	397	349	489	
Rate (See Note)	58.0	74.6	55.2	80.2	49.8	73.5	64.0	88.1	
Scarlet Fever (8)	953	741	615	507	452	291	96	120	
Rate (See Note)	69.4	53.0	43.3	35.1	30.8	19.5	6.3	7.8	
Diphtheria (10)	1,715	1,281	1,125	1,333	1,491	1,278	1,031	1,158	
Rate (See Note)	124.8	91.6	79.2	92.2	101.6	85.7	68.1	75.3	
Typhoid Fever (1.2)	558	545	499	362	334	332	216	229	
Rate	11.7	11.2	10.1	7.2	6.5	6.4	4.1	4.2	
Epidemic Meningitis (18)	294	203	196	202	207	119	176	187	
Rate	6.1	4.2	4.0	4.0	4.0	2.3	3.3	3.5	
Pulmonary Tuberculosis (23)	8,692	8,790	8,591	8,601	8,918	8,825	8,411	8,825	
Rate	181.7	180.4	173.2	170.4	173.6	168.9	158.3	163.4	
Other forms Tuberculosis (24-32)	1,382	1,460	1,390	1,430	1,372	1,424	1,237	1,317	
Rate	28.9	30.0	28.0	28.3	26.7	27.3	23.3	24.4	
Influenza (11)	366	486	269	350	336	526	853	657	
Rate	7.6	10.0	5.4	6.9	6.5	10.1	16.1	12.2	
Pneumonia (107, 108, 109)	10,519	10,055	9,979	10,042	9,678	10,922	10,568	11,051	
Rate	219.8	206.3	201.2	198.9	188.4	209.1	198.9	204.6	
Other Respiratory (104-6; 110-4)	2,515	1,909	1,362	1,350	1,246	1,424	1,440	1,420	
Rate	52.6	39.2	27.5	26.7	24.3	27.3	27.1	26.3	
Cancer (45-53)	3,710	3,873	4,071	4,223	4,467	4,647	4,701	4,867	
Rate	77.5	79.5	82.1	83.6	87.0	88.9	88.5	90.1	
Diabetes (59)	768	739	870	884	979	1,109	1,119	1,153	
Rate	16.0	15.8	17.5	17.5	19.1	21.2	21.1	21.4	
Appendicitis (121)	639	633	637	618	710	723	697	668	
Rate	13.4	13.0	12.8	12.2	13.8	13.8	13.1	12.4	
Bright's Dis. & Nephritis (130-2)	5,638	5,017	5,724	5,615	5,617	5,521	6,546	6,727	
Rate	117.8	103.0	115.4	111.2	109.4	105.7	123.2	124.6	
Circulatory Sys. Dis. (90-103)	10,531	11,611	12,008	12,813	13,469	13,596	14,210	14,818	
Rate	220.1	238.3	242.1	253.8	262.2	260.2	267.5	274.4	
Apoplexy (82A)	949	919	1,023	889	1,075	946	804	794	
Rate	19.8	18.9	20.6	17.6	20.9	18.1	15.1	14.7	
Total Degenerative Diseases*	17,118	17,547	18,755	19,317	20,161	20,063	21,560	22,339	
Rate	357.8	360.1	378.0	382.6	392.5	384.0	405.8	413.7	
Suicides (163-171)	825	788	802	845	935	958	836	778	
Rate	17.2	16.2	16.2	16.7	18.2	18.3	15.7	14.4	
Homicides (172-175)	286	281	299	326	299	261	256	248	
Rate	6.0	5.8	6.0	6.5	5.8	5.0	4.8	4.6	
Automobile Accidents	111	128	188	293	310	346	407	**674	
Rate	2.3	2.6	3.8	5.8	6.0	6.6	7.7	12.5	
Other Accidents	3,416	3,986	3,473	3,467	3,441	3,212	3,561	4,042	
Rate	71.4	81.8	70.0	68.7	67.0	61.5	67.0	74.8	
Puerperal diseases (140-150)	761	738	676	668	679	710	653	651	
Rate per 10,000 Total Births	51	50	46	46	46	48	45	44	

*In 1917 Horse Drawn Vehicles Included. * Includes Bright's Disease and Nephritis, Diseases of Circulatory System, and A

NOTE:—Rates for Measles and Whooping Cough are per 100,000 under five years; rate for Scarlet Fever and Diphtheria are per 100

...on, Deaths and Death Rates Per 100,000 Population, City of New York, 1909 to 1939 Inc...

...918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
...,222	5,576,101	5,683,765	5,811,549	5,939,333	6,067,117	6,195,251	6,323,035	6,450,819	6,578,603	6,706,737	6,834,521	6,954,71
...,119	74,433	73,249	64,257	69,690	69,452	71,252	71,864	76,082	70,430	78,091	77,482	74,88
...,788	1,335	1,289	1,106	1,173	1,145	1,150	1,137	1,179	1,071	1,164	1,134	1,07
...,019	15,744	17,288	13,672	14,847	11,839	12,891	11,442	12,599	9,971	11,760	9,836	9,22
...,767	2,811	3,082	2,441	2,685	2,153	2,335	2,073	2,308	1,820	2,158	1,818	1,72
...,657	10,639	11,340	9,548	9,666	8,578	8,820	8,315	8,509	7,210	8,280	7,281	7,03
92	82	85	71	75	66	68	65	68	56	66	59	5
...790	218	736	165	977	245	506	130	706	37	346	30	15
...41.6	38.9	131.2	29.5	176.7	44.5	91.7	23.6	129.3	6.8	63.5	5.5	28.
...665	161	615	350	268	202	382	307	221	279	347	157	12
...19.2	28.8	109.6	62.5	48.5	36.7	69.2	55.6	40.5	50.9	63.7	29.0	23.
...177	136	220	385	216	107	80	75	77	102	69	68	5
...11.3	8.6	13.7	23.7	13.2	6.5	4.8	4.5	4.6	6.1	4.1	4.0	3.
...245	1,239	1,045	891	873	553	714	663	477	717	642	463	19
...79.8	78.2	64.9	54.9	53.4	33.6	43.1	39.8	28.5	42.7	38.1	27.4	11.
...196	121	137	123	129	140	184	199	111	78	87	76	6
3.6	2.2	2.4	2.1	2.2	2.3	3.0	3.1	1.7	1.2	1.3	1.1	.
...262	171	123	147	110	77	104	94	114	120	540	486	26
4.8	3.1	2.2	2.5	1.9	1.3	1.7	1.5	1.8	1.8	8.1	7.1	3.
...,779	7,395	6,165	5,143	5,033	4,951	4,780	4,776	4,828	4,444	4,636	4,507	4,45
...60.0	132.6	108.5	88.5	84.7	81.6	77.2	75.5	74.8	67.6	69.1	65.9	64.
...,318	1,103	970	779	769	722	801	699	680	696	690	653	63
...24.0	19.8	17.1	13.4	12.9	11.9	12.9	11.1	10.5	10.6	10.3	9.6	9
...,562	4,834	3,492	384	869	1,158	549	665	1,157	630	899	1,202	48
...28.9	86.7	61.4	6.6	14.6	19.1	8.9	10.5	17.9	9.6	13.4	17.6	6
...,628	10,977	10,058	6,477	8,794	8,231	9,152	8,397	10,521	7,523	10,019	9,456	8,05
...75.9	196.9	177.0	111.5	148.1	135.7	147.7	132.8	163.1	114.4	149.4	138.4	115
...,543	1,187	1,443	967	920	521	498	541	673	545	662	670	56
...28.1	21.3	25.4	16.6	15.5	8.6	8.0	8.6	10.4	8.3	9.9	9.8	8
...,931	5,147	5,317	5,573	5,945	6,287	6,557	6,784	7,033	7,455	7,725	7,848	8,12
...89.8	92.3	93.5	95.9	100.1	103.6	105.8	107.3	109.0	113.3	115.2	114.8	116
...,011	955	1,075	1,120	1,448	1,360	1,177	1,313	1,485	1,461	1,663	1,726	1,78
...18.4	17.1	18.9	19.3	24.4	22.4	19.0	20.8	23.0	22.2	24.8	25.3	25.
...584	690	792	824	883	887	946	1,022	1,022	1,018	1,043	1,071	1,11
...10.6	12.4	13.9	14.2	14.9	14.6	15.3	16.2	15.8	15.5	15.6	15.7	16
...,269	5,007	4,833	4,105	4,450	4,367	3,705	3,912	4,360	3,182	3,433	3,177	2,90
...96.0	89.8	85.0	70.6	74.9	72.0	59.8	61.9	67.6	48.4	51.2	46.5	41
...,660	14,077	15,195	15,696	17,350	18,453	19,616	19,453	20,463	20,178	22,152	23,283	22,99
...85.3	252.5	267.3	270.1	292.1	304.1	316.6	307.7	317.2	306.7	330.3	340.7	330
...,042	811	718	886	501	597	763	847	978	818	667	566	58
...19.0	14.5	12.6	15.2	8.4	9.8	12.3	13.4	15.2	12.4	9.9	8.3	8.
...,971	19,895	20,746	20,687	22,301	23,417	24,084	24,212	25,801	24,178	26,252	27,026	26,49
...00.3	356.8	365.0	356.0	375.5	386.0	388.7	382.9	400.0	367.5	391.4	395.4	380
...724	703	670	831	789	825	829	935	904	1,073	1,182	1,255	1,40
...13.2	12.6	11.8	14.3	13.3	13.6	13.4	14.8	14.0	16.3	17.6	18.4	20.
...247	279	325	303	337	308	387	337	340	366	402	425	49
4.5	5.0	5.7	5.2	5.7	5.1	6.2	5.3	5.3	5.6	6.0	6.2	7.
...677	767	763	849	870	945	961	1,022	1,069	1,095	1,075	1,344	1,29
...12.3	13.8	13.4	14.6	14.6	15.6	15.5	16.2	16.0	16.6	16.0	19.7	18
...,613	3,059	2,856	2,634	2,801	3,249	3,239	3,765	3,674	3,509	3,589	3,518	3,5
...65.8	54.9	50.2	45.3	47.2	53.6	52.3	59.5	57.0	53.3	53.5	51.5	51
...664	644	708	746	699	623	678	697	595	694	668	629	6
...46	47	51	53	51	46	50	52	45	51	50	48	

...plexy. Numbers following disease names are numbers of International List. See 1929 Revision.
...00 under fifteen years.

3 0112 115703669

usive

1931	1932	1933	1934	1935	1936	1937	1938	1939	
2 7,033,193	7,099,304	7,160,434	7,226,164	7,294,894	7,363,624	7,434,346	7,491,790	†7,575,339	Population
77,418	74,319	75,153	75,857	75,057	77,638	77,465	73,775	75,439	Deaths
1,101	1,047	1,050	1,050	1,029	1,054	1,042	984	995	Rate
8,968	7,409	7,422	6,726	6,282	5,689	5,618	4,891	4,584	Deaths—5
1,689	1,436	1,490	1,404	1,363	1,269	1,216	1,087	1,045	Rate
6,427	5,594	5,508	5,287	4,790	4,490	4,457	3,910	3,793	Infant Deaths
56	51	53	52	48	45.6	43.7	38.3	37.1	Rate
134	58	213	25	105	83	28	42	1	Measles
25.2	11.2	42.8	5.2	22.8	18.5	6.1	9.3	0.2	Rate (See Note)
214	145	128	106	148	48	49	105	38	Whooping Cough
40.3	28.1	25.7	22.1	32.1	10.7	10.6	23.3	8.7	Rate (See Note)
84	134	59	53	76	64	31	17	16	Scarlet Fever
5.0	7.9	3.5	3.1	4.5	3.8	1.9	1.1	1.0	Rate (See Note)
186	210	86	103	68	35	58	26	22	Diphtheria
11.0	12.4	5.1	6.1	4.0	2.1	3.6	1.6	1.4	Rate (See Note)
77	64	70	44	34	33	26	26	22	Typhoid Fever
1.1	.9	1.0	.6	.5	0.4	0.3	0.3	0.3	Rate
207	114	73	73	243	226	101	53	36	Epidemic Menin
2.9	1.6	1.0	1.0	3.3	3.1	1.4	0.7	0.5	Rate
4,370	3,997	4,056	3,950	3,968	4,170	3,931	3,481	3,494	Pul. Tbc.
62.1	56.3	56.6	54.7	54.4	56.6	52.9	46.5	46.1	Rate
552	543	521	470	403	415	333	352	320	Other Tbc.
7.8	7.6	7.3	6.5	5.5	5.6	4.5	4.7	4.2	Rate
956	785	718	373	295	293	468	162	200	Influenza
13.6	11.1	10.0	5.2	4.0	4.0	6.3	2.2	2.6	Rate
9,245	7,827	7,686	6,755	6,385	6,549	6,504	4,737	4.234	Pneumonias
131.4	110.3	107.3	93.5	87.5	88.9	87.5	63.2	55.9	Rate
652	599	480	656	585	590	571	498	523	Other Respiratory
9.3	8.4	6.7	9.1	8.0	8.0	7.7	6.6	6.9	Rate
8,336	8,573	8,932	9,502	9,969	10,506	10,714	11,160	11,597	Cancer
118.5	120.8	124.7	131.5	136.7	142.7	144.1	149.0	153.1	Rate
1,921	2,116	2,141	2,266	2,255	2,571	2,669	2,650	2,938	Diabetes
27.3	29.8	29.9	31.4	30.9	34.9	35.9	35.4	38.8	Rate
1,157	1,065	1,149	1,006	920	1,049	935	825	800	Appendicitis
16.5	15.0	16.0	13.9	12.6	14.2	12.6	11.0	10.6	Rate
2,806	2,972	3,638	4,484	4,141	4,041	3,847	3,589	3,353	Bright's & Nephritis
39.9	41.9	50.8	62.1	56.8	54.9	51.7	47.9	44.3	Rate
23,487	23,524	23,541	25,696	22,282	24,093	24,756	25,227	26,672	Circulatory Sys.
333.9	331.4	328.8	355.6	305.4	327.2	333.0	336.7	352.1	Rate
682	544	749	602	3,233	3,130	3,025	2,746	2,800	Apoplexy
9.7	7.7	10.5	8.3	44.3	42.5	40.7	36.7	37.0	Rate
26,975	27,040	27,928	30,782	29,656	31,264	31,628	31,562	32,825	Total Degenerative
383.5	380.9	390.0	426.0	406.5	424.6	425.4	421.3	433.3	Rate
1,500	1,595	1,343	1,239	1,170	1,116	1.140	1,246	1,190	Suicides
21.3	22.5	18.8	17.1	16.0	15.2	15.3	16.6	15.7	Rate
586	580	541	458	447	380	373	309	303	Homicides
8.3	8.2	7.6	6.3	6.1	5.2	5.0	4.1	4.0	Rate
1,298	1,179	1,137	1,145	1,078	932	983	908	880	Automobile Accid.
18.5	16.6	15.9	15.8	14.8	12.7	13.2	12.1	11.6	Rate
3,336	3,091	3,101	3,316	3,179	3,296	3,203	2,924	3,123	Other Accidents
47.4	43.5	43.3	45.9	43.6	44.8	43.1	39.0	41.2	Rate
698	663	665	492	523	459	408	357	320	Puerperal diseases
58	58	61	46	50	44	38	33	29	Rate

62.3 57.4 51.2 50.3

† See Note, middle of page 1.

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